

VEHICULAR ELECTRONICS INTERFACE MODULE AND RELATED METHODS

ABSTRACT OF THE DISCLOSURE

An interface module for interfacing on-board electronics in a vehicle with a radar device and/or camera. A plurality of data busses are configured for different signaling protocols, such as variable pulse width, pulse width modulated and ISO 9141. A data processor activates the data busses and selects the bus that is most compatible with the on-board electronics. Data is then received and translated to a form compatible with the radar device and/or camera. Typically, the data provided will be vehicle speed information which is used by the radar device to identify the best candidate in the radar Doppler return or is displayed with images taken by the camera. The speed information is also used to control the field of view of the camera, with wider angles of view used for lower speeds. Related methods are also disclosed.